

19330

RCB
34x

REPORT

of the

Local Board of Health



THE CITY OF EDMONTON
ALBERTA

1956

THE ROYAL SOCIETY
OF HEALTH
LIBRARY

RCB/34x



22501418025

BOARD OF HEALTH, 1956

Dr. H. D. Hebb, Chairman

Dr. M. Sereda

Ald. J. Falconer

Ald. Mrs. J. Douglas

Mr. H. G. Turner, Edmonton Public School Board

Mr. A. J. Crowe, Edmonton Separate School Board

Dr. D. J. McIntyre, Edmonton and District Dental Society

EX-OFFICIO MEMBERS

Mayor W. Hawrelak

Dr. G. M. Little, M.O.H.

Mr. J. D. A. MacDonald, City Engineer

Catharine Rose, Secretary

BOARD OF HEALTH, 1955

Dr. H. D. Hebb, Chairman

Dr. M. Sereda

Ald. H. Harries

Ald. Mrs. J. Douglas

Dr. W. Orobko, Edmonton Public School Board

Mr. V. Dantzer, Edmonton Separate School Board

Dr. D. J. McIntyre, Edmonton and District Dental Society

EX-OFFICIO MEMBERS

Mayor W. Hawrelak

Dr. G. M. Little, M.O.H.

Mr. J. D. A. MacDonald, City Engineer

Catharine Rose, Secretary

STAFF

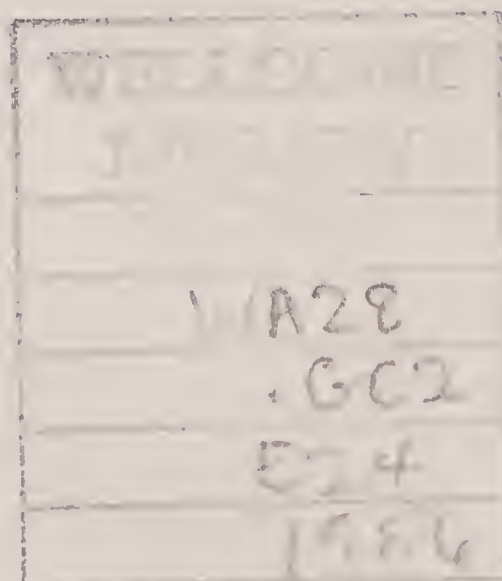
Medical Officer of Health.....	G M. Little, M.D., D.P.H.
Asst. Medical Officer of Health.....	G. H. Ball, M.B., Ch.B., D.P.H.
Physician, Chief Pediatrics.....	D. B. Leitch, M.B., F.R.C.P., F.R.C.S.
Physician, Pediatrics.....	L. Beauchamp, B.Sc., M.D., R.C.P.S.(C)
Physician, Pediatrics.....	K. Swallow, B.Sc., M.D., R.C.P.S. (C)
Physician, School Health.....	O. B. Bode, M.D., M.R.C.S., L.R.C.P.
Physician, School Health.....	P. Daly, M.D.
Physician, School Health.....	R. M. Hayes, M.D., Ch.B., M.R.C.P.
Dental Director, School Health	R. A. McCormack, D.D.S.
Dentist, School Health.....	J. Sikora, D.D.S
Dentist, School Health	G. N. Waterhouse, D.D.S.
Dentist, School Health.....	S. S. Kucey, D.D.S.
Sr. School Health Nurse	Lord, Miss A.
Sr. Nurse, Well Baby Clinic.....	Christensen, Miss S. C.
Sr. Nurse, Inoculation Clinic.....	Griffith, Miss M.
Chief Sanitary Inspector.....	Alexander, L. G., C.S.I., (C)
Milk and Dairy Supervisor.....	Meredith, R. B., C.S.I. (C)
Chief Food Inspector.....	Pennifold, K., V.S.
Secretary, Board of Health.....	Rose, Miss C. R.

**Wellcome Library
for the History
and Understanding
of Medicine**

CONTENTS



Annual Report of M.O.H.	3
Financial Statement	5
Summary of Statistics	6
Vital Statistics	6, 7
Infant Mortality	8, 9
International List of Causes of Deaths	10
Principal Causes of Deaths	11, 12
Immunization	12
Communicable Disease	13, 14, 15
Isolation Hospital	16
Tuberculosis Control	16
School Health Services	17, 18
Well Baby and Pre-School Clinics	19
Victorian Order of Nurses	19
Sanitation	20, 21
Food and Meat Inspection	22, 23
Milk and Water	24



Annual Report of the Medical Officer of Health

●

Chairman and Members
Local Board of Health
Edmonton, Alberta.

Ladies and Gentlemen:

I have the pleasure of presenting to you the following report of the activities of our Board during 1956:

The year marked a continued and imposing increase in the population of our city, which has demanded a steady expansion of health services. Many new business and industrial ventures have come under our supervision. The school population reached a new high of approximately 43,000 during the fall term. Attendance at our health clinics has markedly increased.

Fortunately, our clinic in the Woodcroft area became available for use in March, and has given some relief to the pressure on other clinics. The general increase in attendance, however, has limited the amount of such relief, and we are looking forward anxiously to the construction of an additional clinic in the Eastwood area during 1957.

The general death-rate at 6.3 per 1,000 citizens is the lowest ever recorded in our city, while deaths amongst infants at 21.6 per 1,000 live births were only a fraction above the all time low established in 1954.

Deaths from automobile accidents reached a new high. It is evident that we have not yet found a medium through which we may bring it home to every driver of a vehicle, while they are still innocent of manslaughter, that constant and personal vigilance is necessary to reduce the formidable amount of death and maiming from this source.

The incidence of communicable disease was moderate, but five reported cases of diphtheria lead us to remind parents this disease is still with us, is still dangerous, and that our clinics offer free protection for their children. We have reason to believe that the low incidence of poliomyelitis reflects the extensive inoculation carried out against this disease, and that this happy trend will continue. In schools and clinics, 37,633 doses of polio vaccine were given. Our citizens generally are alert to the value of these services, as evidenced by an attendance of 42,954 at our inoculation clinics alone. The nurses from these clinics have also given much time in assisting with inoculation of school children.

The incidence of tuberculosis continues to be high. The intensive use of X-ray clinics carried on by the Provincial Health Department, and the Tuberculosis Association, with skin-testing of Grade I pupils by our school health services, lends hope of gaining control of this disease.

Our baby and pre-school clinics carry out a preventive service through supervision of physical development and feeding of this younger age group. Physicians are in attendance each week to examine all referred children, and our nurses make visits to homes where this is desirable. Mothers have shown appreciation of this service by bringing 25,413 babies and pre-school children to these clinics during the year.

The impressive amount of service delivered by our school health and

dental services is indicated by 140,388 examinations by physicians and nurses, and by 27,579 dental examinations of school children. A major additional effort was the giving of 32,728 doses of polio vaccine to school children.

A further large and specific effort in preventing transmission of disease through foodstuffs is carried out by our sanitarians in supervision of milk and other foods in restaurants, stores, food factories, dairy farms, and by our veterinarian's inspection of all animals slaughtered in three local abattoirs. Health education of food handlers is an important part of this programme which is being extended.

I wish to voice my appreciation of the special skills, the interest and industry of our staff which has permitted the accomplishment of a very heavy volume of work during the year.

We appreciate, also, that this comprehensive public health service must, and does, receive a very necessary support from a widely diverse team. The Board itself has studied our problems, offered advice, and approved policies which have permitted us to carry on effectively. Council and Commissioners have provided the financial and physical set-up to the same end. The advisory committee of the Edmonton Dental Society have given us invaluable help. Other City departments have co-operated in our many interlocking problems. The school administrators have been co-operative and patient with a service which must necessarily interfere with their time and first objectives. The Provincial and Federal Governments have provided substantial assistance in the way of grants. Various branches of the Provincial Health Department have extended technical assistance, advice and materials in solving many problems. We gratefully acknowledge the part all these have had in anything we may have accomplished.

Respectfully submitted,

G. M. LITTLE,
Medical Health Officer.

EXPENDITURES 1956

Salaries	\$223,579.00	
Furniture and Office Supplies	3,411.00	
Printing and postage	3,752.00	
Medical supplies, etc.	3,660.00	
Telephones, advertising, etc.	2,479.00	
Pensions and Insurances	12,633.00	
Transportation	10,222.00	
Miscellaneous	1,988.00	
Milk and eye glasses	827.00	
REVENUE:		
Permits, meat inspection	\$262,551.00	Cost per capita—\$1.17
License Department	\$ 4,156.00	
Federal and Provincial Grants	1,500.00	
	81,058.00	
	\$ 86,714.00	
	\$175,837.00	

CLASSIFICATION OF EXPENDITURE 1956

	Administration	Communicable Disease Control	Milk and Dairy Control	Food and Meat Control	Well Baby Clinics	Sanitation	Vital Statistics	School Health Services	Total Expenditure
Salaries	\$14,785	\$25,919	\$10,656	\$6,294	\$23,024	\$35,869	\$1,279	\$105,753	\$223,579
Furniture and Office Machines	86	221	2	—	245	2	—	2,854	3,411
Milk	—	—	—	—	—	—	—	58	58
Eye Glasses	—	—	—	—	—	—	—	769	769
Medical supplies	78	304	42	—	182	14	—	3,040	3,660
Printing, Postage and Stationery	1,458	374	51	12	376	42	59	1,379	3,752
Transportation	480	—	480	300	—	1,826	—	3,059	6,144
Phones, advertising, travelling, &c.	589	269	76	—	299	156	—	407	1,796
Uniforms	—	331	—	—	312	95	—	50	787
Miscellaneous	60	377	12	63	392	33	—	648	1,585
Insurances and pensions	8,221	—	—	—	—	—	—	4,733	12,954
Garage charges	—	446	1,096	—	1,788	726	—	—	4,056
	\$25,757	\$28,241	\$12,415	\$6,669	\$26,618	\$38,763	\$1,338	\$122,750	\$262,551
	9.9%	10.8%	4.4%	2.6%	10.2%	14.8%	.5%	46.8%	100%

SUMMARY OF STATISTICS

Area of City—443 sq. miles

	1956	1955	1954	1953	1952
Population	224,003	209,353	197,836	183,411	169,197
Persons per acre of land	7.8	7.3	7.0	6.8	6.3
Cost per capita	1.17	1.16	1.09	1.11	.88
School enrolment	42,645	39,065	35,585	31,578	28,094
Natural increase of population	6,409	5,861	5,730	5,077	4,482
BIRTHS					
Total births	11,035	10,420	10,061	9,194	8,309
Resident births only	7,821	7,302	7,091	6,377	5,748
Resident rate per 1000 population.....	35.1	34.8	35.2	34.7	33.3
STILLBIRTHS					
Total Stillbirths	135	154	127	150	141
Resident stillbirths only	92	101	84	95	97
Resident stillbirths rate per 1000 living births	11.7	13.8	11.8	14.8	16.8
DEATHS					
Total deaths	2,191	2,005	1,994	1,954	2,064
Resident deaths only	1,412	1,441	1,361	1,300	1,266
Resident rate per 1000 population.....	6.3	6.8	6.9	7.0	7.4
INFANT MORTALITY					
Total deaths under 1 year of age.....	254	237	223	218	228
Resident deaths under 1 year of age..	169	163	143	145	154
Resident rate per 1000 living births..	21.6	22.3	20.1	22.7	26.9
MATERNAL MORTALITY					
Maternal deaths (resident only)	1	3	0	2	0
Rate per 1000 living births .....	.012	.04	0	.31	0
MARRIAGES					
Marriages	2,967	2,985	2,996	2,997	2,818
Rate per 1000 population	13.2	14.2	15.1	16.3	16.6

VITAL STATISTICS

Births	1956	1955	1954	1953	1952
Total Births	11,035	10,420	10,061	9,194	8,309
Resident Births only	7,821	7,302	7,091	6,377	5,748
Male	4,079	3,767	3,664	3,288	3,023
Female	3,742	3,533	3,427	3,089	2,725
Double Births (residents only)	80	79	66	61	51
Triple Births (residents only)	3	4	1	—	2
Resident Illegitimate Births	375	354	312	284	211
Total Illegitimate Births....	603	556	505	477	386
Born in Institutions (Residents)	7,819	7,301	7,088	6,375	5,744
Maternal Parentage:					
Canada	6,278	5,803	5,709	5,321	4,860
British Isles	367	384	399	328	325
Europe and Asia.....	1,027	962	827	581	424
U.S.A.	118	124	121	126	121
Other countries	31	29	35	21	17

RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTH 1956

	-20	20-24	25-29	30-34	35-39	40-44	Over 45	Total Number	%
1st Child	474	1,254	618	260	65	8	—	2,679	34.26
2nd Child	109	844	815	356	121	15	2	2,262	28.92
3rd Child	10	282	576	405	159	29	3	1,464	18.71
4th Child	3	77	266	271	134	37	1	789	10.09
5th Child	—	11	95	141	74	23	2	346	4.43
6th Child	—	—	32	56	40	14	1	143	1.83
7th Child	—	—	15	22	26	8	1	72	.93
8th Child	—	—	3	15	8	5	1	32	.40
9th Child	—	—	1	3	8	3	—	15	.19
10th Child	—	—	—	4	9	6	—	19	.24
	596	2,468	2,421	1,533	644	148	11	7,821	100 00

STILLBIRTHS	1956	1955	1954	1953	1952
Total Stillbirths	135	154	127	157	141
Resident Stillbirths only	92	101	84	100	97
Male	50	51	40	61	37
Female	42	50	44	39	60
Born in Institutions	92	101	84	100	97
Cause of Foetal Deaths:					
Dystocia	43	40	37	46	42
Prematurity	3	11	6	7	7
Toxaemia of Pregnancy	3	8	3	8	4
Syphilis	—	—	—	—	2
Malformation	8	19	9	19	17
Placenta and Membranes	8	6	14	5	13
Traumatism, Overwork	—	—	—	—	—
Other Conditions	26	17	15	15	15

DEATHS	1956	1955	1954	1953	1952
Total Deaths	2,191	2,005	1,934	1,954	2,064
Resident Deaths only	1,412	1,441	1,361	1,300	1,266
Male	880	873	862	813	793
Female	532	568	499	487	473
Resident Rate per 1,000 population	6.3	6.8	6.9	7.0	7.4
Racial Origin:					
Canada	513	551	515	460	441
British Isles	241	423	426	410	398
Europe and Asia	358	318	289	271	271
U.S.A.	76	100	71	86	75
Others	24	49	60	73	81

INFANT MORTALITY	1956	1955	1954	1953	1952
Total deaths under 1 year of age..	254	237	223	218	228
Resident deaths under 1 yr. of age	169	163	143	145	154
Male	89	91	80	82	93
Female	80	72	63	63	61
Legitimate	152	150	133	131	140
Infant mortality rate per 1,000 living births	21.6	22.3	20.1	22.7	26.9
Racial Origin:					
Canada	140	135	114	128	134
British Isles	10	7	7	6	5
Europe and Asia	13	16	15	10	10
U.S.A.	2	—	4	1	1
Others	4	5	3	—	4

INFANT MORTALITY—1956

	SEX		BY MONTH												BY AGE										
	TOTAL	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week	Total Under 1 Month	1- 3 Months	4- 6 Months	7- 9 Months	10-12 Months
092 Pulmonary Tuberculosis	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
057 Meningococcal infections	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...
228 Haemangioma and lymphangioma	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...
325 Mental Deficiency	2	...	2	...	...	...	...	1	...	...	...	...	1	...	...	...	1	...	...	...	1	...	...	...	1
340 Meningitis, except meningococcal and tuberculous	2	1	1	...	...	...	...	1	...	...	...	...	...	...	1	...	1	...	...	...	1	...	1	...	...
421 Chronic endocarditis not specified as rheumatic	1	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...
481 Influenza with other respiratory manifes- tations, and influenza unqualified.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...
491 Bronchopneumonia	6	2	4	...	2	1	...	...	...	1	1	...	...	1	...	...	...	...	...	...	...	1	4	1	...
492 Primary atypical pneumonia	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...
493 Pneumonia, other and unspecified	3	...	3	...	...	1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	2	...	...	1
500 Acute bronchitis	5	4	1	...	...	1	...	...	...	...	...	1	...	1	2	...	...	...	...	...	...	2	1	...	2
501 Bronchitis unqualified	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...
525 Other chronic interstitial pneumonia	1	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...
526 Bronchiectasis	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
527 Other diseases of lung and pleural cavity	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
560 Hernia of abdominal cavity without ob- struction	3	2	1	...	1	...	...	...	...	...	1	1	...	...	...	2	1	...	...	...	3	...	...	...	...
570 Intestinal obstruction, without mention of hernia	1	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
571 Gastro-enteritis and colitis, except ulcerative	2	1	1	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	2	...	...	...
587 Diseases of pancreas	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...
750 Monstrosity	2	1	1	...	...	...	...	...	...	...	...	...	2	...	...	3	...	...	...	...	2	...	...	...	...
751 Spina bifida and meningocele	5	2	3	...	1	1	...	1	1	...	...	...	1	...	...	1	...	1	1	...	3	2	...	...	...
752 Congenital hydrocephalus	4	1	3	...	...	...	1	1	...	...	1	1	...	...	...	3	...	...	...	...	3	1	...	...	...
753 Other congenital malformations of nervous system and sense organs	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...
754 Congenital malformations of circulatory system	16	5	11	...	1	2	2	1	1	2	3	...	1	1	2	3	7	...	1	...	11	4	1	...	...
756 Congenital malformations of digestive system	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...

[illegible]

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1956

	Resident												Under 1												1-4				5-14				15-19				20-29				30-39				40-49				50-59				60-69				70-79				80-over				Non-residents																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	Total		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M			F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F		M		F	

PRINCIPAL CAUSES OF DEATH, 1956

		Total	Male	Female	% of Total Deaths	Rate per 100M Population
420-434	Diseases of heart	396	279	117	28.0	176.7
140-205	Malignant neoplasms	259	156	103	18.3	115.6
330-334	Vascular lesions affecting central nervous system	131	63	68	9.2	65.6
750-776	Diseases of early infancy	137	74	63	9.6	61.1
800-999	External causes	116	82	34	8.2	51.7
490-493	Pneumonia	51	27	24	3.5	22.7
440-447	Hypertension	40	20	20	2.8	17.8
260	Diabetes Mellitus	22	12	10	1.5	9.8
500-502	Bronchitis	18	16	2	1.2	7.1
590-594	Nephritis and Nephrosis	13	8	5	.9	5.7
	All other diseases	229	143	86		
TOTALS.....		1,412	880	532		

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1956	1412	396	28.0	176.7
1955	1441	363	25.2	173.3
1954	1361	351	25.8	177.4
1953	1300	353	26.9	191.7
1952	1266	320	23.7	189.1

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1956	1412	259	18.3	115.6
1955	1441	259	17.9	123.7
1954	1361	235	17.2	118.8
1953	1300	212	16.3	114.5
1952	1266	213	17.7	125.8

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1956	1412	131	9.2	65.6
1955	1441	146	10.1	69.7
1954	1361	160	11.7	80.9
1953	1300	128	9.9	69.5
1952	1266	110	8.7	59.1

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1956	1412	10	.7	4.4
1955	1441	12	.8	5.7
1954	1361	9	.66	4.5
1953	1300	13	1.0	7.0
1952	1266	13	1.02	7.6

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1956	1412	51	3.5	22.7
1955	1441	44	3.0	20.9
1954	1361	45	3.3	22.7
1953	1300	50	3.8	27.7
1952	1266	41	3.2	24.2

MORTALITY FROM EXTERNAL CAUSES

Year	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	All Other Accidents	Percentage of Deaths	Rate Per 100M Population
1956	1412	116	82	34	24	3	56	33	8.2	51.7
1955	1441	115	86	29	17	6	30	62	7.9	54.9
1954	1361	104	81	23	17	...	32	55	7.6	53.5
1953	1300	112	85	27	13	4	42	53	8.6	60.8
1952	1266	107	79	28	13	1	41	52	8.4	57.3

IMMUNIZATION CLINIC

	1956	1955	1954	1953	1952
No. of persons receiving 1st doses	15,245	10,524	13,216	10,405	8,969
No. persons receiving re-inforcing doses	6,145	5,597	3,858	2,981	2,598
Total procedures	96,601	77,053	69,639	50,417	42,808
Total attendance	42,954	33,709	30,335	23,132	19,928
Phone Calls	11,303	5,781	4,854	2,235	2,397
Out-of-town persons attending clinics	749	748	999	769	627
Student days	214	222	171	164	231
Clinics held:					
Main Clinic	251	250	250	250	250
Average attendance	97	91	82	76	80
South Side Clinic	251	250	250	162	—
Average attendance	47	44	40	25	—
Woodcroft Clinic	199	—	—	—	—
Average attendance	34	—	—	—	—

IMMUNIZATION RECORD, 1956

	Immunization Clinics	School Health Services
Diphtheria		
1st dose	5,929	105
Re-inforcing doses	6,091	—
Total doses	27,469	105
Whooping Cough		
1st dose	5,692	27
Re-inforcing doses	5,737	—
Total doses	26,207	27
Tetanus		
1st dose	6,308	
Re-inforcing doses	5,807	
Total doses	28,201	
Scarlet Fever		
1st dose	4	
Re-inforcing doses	9	
Total doses	27	
Typhoid		
1st dose	251	
Re-inforcing doses	38	
Total doses	738	
Smallpox		
Smallpox vaccinations	4,768	
Poliomyelitis		
1st dose	3,936	12,936
Total doses	4,905	32,728
Cholera		
1st dose	40	
Total doses	84	
Typhus		
1st dose	37	
Total doses	62	
Others		
1st dose	8	
Total doses	9	
Dick Test	1	
Schick Test	107	

COMMUNICABLE DISEASES, 1952 - 1956

	1956		1955		1954		1953		1952	
	C	D	C	D	C	D	C	D	C	D
Diphtheria	5	....	4	....	3	....	1	....	1	....
Diphtheria carriers	5	....	....	....	....	....	....	....	....	....
Dysentery	3	....	....	....	....	....	....	....	1	....
Encephalitis .....	....	....	....	....	....	....	1	....	2	2
Food Poisoning .....	....	....	....	....	....	....	....	....	3	....
Measles	241	....	1951	....	219	....	4088	1	484	....
Paratyphoid fever .....	....	....	1	....	....	....	2	....	1	....
Poliomyelitis	13	....	58	1	75	5	322	16	95	7
Rubella	123	....	149	....	132	....	2019	....	397	....
Scarlet fever, streptococcal sore throat	165	....	151	....	210	1	651	1	1470	....
Tuberculosis (pulmonary)	150	9	133	8	125	7	112	13	139	9
Tuberculosis (other forms)	23	1	22	5	21	2	25	....	20	4
Typhoid fever	4	....	....	....	1	1	....	....	....	....
Typhoid fever carriers	1	....	....	....	....	....	....	....	....	....
Whooping cough	121	....	300	....	181	....	269	....	197	1
Venereal Disease:										
Gonorrhoea	1171	....	1215	....	1160	....	1043	....	1053	....
Syphilis	70	2	76	....	92	2	48	....	48	2
TOTALS.....	2095	12	4064	14	2222	18	8581	23	3915	25
Morbidity per 1000 population—	9.3		19.4		11.3		62.9		23.1	
C—Cases D—Deaths										

Deaths from Communicable Diseases were 12 of .98% of the 1412 City deaths during the year 1956.

Of the 12 deaths 10 were due to Tuberculosis (all forms).

Venereal disease accounted for 1,241 or 59% of all the communicable diseases reported in 1956.

COMMUNICABLE DISEASE BY AGE, 1956

	City Cases	Male	Female	Under 1	1/4	5/14	15/19	Over 20	Not stated	Non- resi- dents
Dysentery	3	1	2	...	...	2	...	1	...	1
Diphtheria	5	5	...	...	...	4	...	1	...	5
Diphtheria Carriers	5	3	2	...	...	4	1	...	...	2
Measles	241	122	119	19	116	102	2	2	...	7
Paratyphoid Fever .....	...	...	...	...	...	...	...	...	...	1
Polioomyelitis	13	6	7	...	3	2	...	8	...	21
Rubella	123	54	69	13	33	66	6	5	...	1
Scarlet Fever, Streptococcal Sore Throat	165	93	72	3	52	100	3	7	...	5
Typhoid fever	4	3	1	...	...	...	1	3	...	9
Typhoid fever carriers	1	1	...	...	...	...	...	1	...	1
Tuberculosis (Pulmonary)	150	76	74	...	5	6	12	127	...	...
Tuberculosis (Other forms)	23	8	15	...	1	...	1	21	...	...
Whooping Cough	121	46	75	23	44	51	...	1	2	11
VENEREAL DISEASE										
Gonorrhoea	1171	648	523	...	...	...	125	1021	22	...
Syphilis	70	43	27	...	...	...	3	61	3	...
TOTAL.....	2095	1109	986	58	254	337	154	1265	27	63
DEATHS										
Tuberculosis (Pulmonary)	9	7	2	1	...	...	...	8	...	...
Tuberculosis (other forms)	1	1	...	...	...	...	...	1	...	...
Syphilis	2	1	1	...	...	...	...	2	...	...
TOTAL.....	12	9	3	1	...	...	...	11	...	...

COMMUNICABLE DISEASE BY SEASON AND SEX, 1956

	Total	Male	Female	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Non-Resi- dent
Dysentery	3	1	2	....	....	....	....	....	3	....	....	....	....	....	....	1
Diphtheria	5	5	....	....	....	....	1	1	....	....	1	2	....	....	....	5
Diphtheria Carriers	5	3	2	....	....	....	....	....	....	....	....	4	1	....	....	2
Measles	241	122	119	13	15	3	8	26	28	48	22	9	15	17	37	7
Paratyphoid Fever .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Poliomyelitis	13	6	7	....	....	....	....	....	....	....	5	3	....	4	1	21
Rubella	123	54	69	10	9	4	3	8	9	5	9	10	19	20	17	1
Scarlet Fever, Streptococcal Sore Throat	165	93	72	10	21	27	11	18	11	6	5	7	9	19	21	5
Typhoid Fever	4	3	1	....	1	1	....	1	1	....	....	....	....	....	....	9
Typhoid Fever Carrier	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	1
Tuberculosis (Pulmonary)	150	76	74	17	11	13	16	11	10	10	7	11	16	7	21	....
Tuberculosis (Other forms)	23	8	15	1	4	2	1	1	1	2	2	....	1	3	5	....
Whooping Cough	121	46	75	11	8	17	14	16	5	2	5	11	7	9	16	11
VENEREAL DISEASE																
Gonorrhoea	1171	648	523	116	102	97	76	91	99	99	71	93	131	119	77	....
Syphilis	70	43	27	13	5	8	5	8	3	2	6	8	4	3	5	....
TOTAL.....	2095	1109	986	191	176	172	136	181	170	174	133	158	203	201	200	63
DEATHS																
Tuberculosis (Pulmonary)	9	7	2	....	1	1	1	1	....	....	1	1	1	1	1	....
Tuberculosis (Other forms)	1	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
Syphilis	2	1	1	1	1	....	....	....	....	....	....	....	....	....	....	....
TOTAL.....	12	9	3	1	3	1	1	1	....	....	1	1	1	1	1	....

ISOLATION HOSPITAL, 1956

Two hundred and eighty-two patients were admitted to the Isolation Hospital during 1956. There were 3 deaths.

Admissions to Hospital

Diphtheria	15	Chickenpox	16
Diphtheria carriers	2	Mumps	4
Streptococcic sore throat	15	Poliomyelitis	31
Whooping cough	40	Typhoid fever	13
Scarlet Fever	19	Others	103
Measles	24		

Deaths

Surgical Scarlet Fever	1
Meningitis	2

(Outside figures includede in above).



TUBERCULOSIS CONTROL

	1956	1955	1954	1953	1952
Cases—Pulmonary Tuberculosis	150	133	125	112	139
All other forms of T.B.	23	22	21	25	20
*Rates—Pulmonary Tuberculosis	66.9	63.5	63.1	51.4	77.4
All other forms of T.B.	10.2	10.5	10.6	13.6	12.2
Deaths—Pulmonary Tuberculosis	9	8	7	13	0
Mobile X-ray Clinic	—	—	—	—	101,965

*per 100,000 population

Kinsmen's Club Service

	1956	1955	1954	1953	1952
Total Visits by Nurse	4,955	4,333	3,476	3,913	5,200
Visits to T.B. cases	907	805	792	933	1,060
Visits to contact cases	1,933	1,702	1,574	1,474	2,522
Observation, co-operative visits	199	266	110	296	298
Tuberculin tests in homes	1,956	1,500	1,363	580	943

SCHOOL HEALTH SERVICES, 1956

In the year of 1956, the total school population in Edmonton served by the School Health Services increased by 3,638 pupils to 42,645. There were 118 Elementary, Junior High and High Schools.

The school nursing staff was increased by 3 full time school nurses.

The general standard of health of the pupils continued to be good. In this city, the majority of the schools have been constructed in the last 12 years. Many older schools have been modernized. General environmental conditions are therefore very good.

Fifty-six children of indigent parents were refracted by ophthalmologists and supplied with glasses, at city expense.

Great expectations were held for the 1956 Poliomyelitis immunization programme. Unfortunately the anticipated amount of vaccine did not arrive until fall. Consequently the earlier effort was disappointing, but in the fall a large number of children received the primary doses of their Poliomyelitis immunization.

The Tuberculosis Division of the Provincial Government continued checking all teachers and janitors entering the employment of the School Boards. Skin testing of Grade 1 pupils and known contacts of tuberculosis in the schools continued. Four thousand, one hundred and ninety-seven pupils received the Vollmer Patch Test. Sixty-two were positive and referred to the Provincial Tuberculosis Division for investigation. Of these, 7 were classed as healed primary infections. A total of 16 were placed on surveillance. During the year, 19 children of school age were admitted to the Sanatorium.

Late in the year, 3 cases of Diphtheria were found in a Children's Home, and 5 carriers were located before the incident was terminated. The 3 cases were unimmunized children. In the transient population of a Home, the unimmunized children constitute a continuing threat. Diphtheria is still present in the outlying areas and any relaxation of immunization is without doubt foolhardy.

A fourth half-time Dental Officer was added to the Dental Division and in March 1956 the Dental Clinic in the Woodcroft Clinic building was opened. Defective teeth remained the most prevalent defect amongst school children. Fluoridation is the investment best calculated to ultimately relieve the dental poverty of our population.

Examinations by Medical Officers:

Complete periodic examinations	12,131
Examinations on special referral	801
Re-examinations	225
Partial examinations	336
Total number of examinations	13,493
*Number of pupils with defects	5,292
Parents invited to examinations	9,697
Parents present at examinations	5,631
Pupils referred to physicians	594
Pupils referred to dentists	558

*Excluding teeth)

Examinations by Nurses:

Periodic examinations	7,006
Examinations on special referral	21,244
Re-examinations	9,173
Partial examinations	88,294
Total number of examinations	126,895
Number of pupils with defects	25,861
Pupils referred to physicians	1,831
Pupils referred to dentists	1,133

School Nursing Services

Home visits	4,331
Consultations with physicians	193
Consultations with teachers	11,073
Consultations with parents	4,978
Consultations with others	1,380
Pupils given first aid	10,167
Lectures and Talks	807
Student days	123

Dental Services

Number of operations	7,492
Number of cases completed	440

Dental Survey

Number of schools visited	129
Number of children examined	27,579
Number of children with defective teeth	22,701
Number of children without defective teeth	4,878

WELL BABY AND PRE-SCHOOL CLINICS—1952 to 1956

	1956	1955	1954	1953	1952
Total attendance	25,413	21,515	20,791	17,611	14,851
Under 1 year	17,767	15,504	15,019	12,906	10,931
1 to 6 years	7,646	6,011	5,772	4,705	3,720
Out-of-town	959	1,148	1,521	1,442	1,089
Number of Clinics held:					
Main Clinic	251	250	250	250	250
Average attendance	47	55	54	57	59
Average monthly attendance	987	1,141	1,132	1,179	1,238
South Side Clinic	251	250	250	250	—
Average daily attendance	34	31	29	21	—
Average monthly attendance	715	652	600	432	—
Woodcroft Clinic	199	—	—	—	—
Average attendance	25	—	—	—	—
Average monthly attendance	525	—	—	—	—
Total average attendance (3 clinics)	101	86	83	70	59
Total average monthly attendance (3 clinics)	2,118	1,796	1,733	1,611	1,238
Total new admissions	6,174	5,043	5,029	4,578	3,814
Under 1 year	4,633	3,965	3,931	3,518	3,066
1 to 6 years	1,541	1,078	1,098	1,060	748
Readmissions	273	230	222	247	158
Discharged	5,086	4,002	3,682	3,741	3,741
No. of active charts transferred	808	242	312	511	—
No. of retired cards transferred	106	49	54	68	—
Total remaining on Roll	14,119	13,031	11,990	10,643	9,817
Home visits	2,728	2,693	2,147	2,517	2,216
Telephone calls	10,175	8,274	8,204	6,136	4,431
Correspondence	49	50	79	111	79
Number seen by Doctor	819	943	875	823	605
Referred to family doctor	354	265	247	211	157
Number of student days	212	222	287	168	232

Physicians were in charge at the Main clinic two afternoons a week and one afternoon per week at the South Side and Woodcroft clinics.

VICTORIAN ORDER OF NURSES

	1956	1955	1954	1953	1952
Prenatal care	5	5	30	34	14
Prenatal instructions	26	—	—	—	—
Postnatal care	3	4	17	12	7
Postnatal instructions	1,887	—	—	—	—
Newborn care	219	219	230	285	273
Newborn instructions	2,007	1,735	1,486	1,630	2,690
Medical and Surgical	9,802	13,040	12,402	10,416	8,031
Total visits	16,544	15,113	14,165	12,367	11,131
Prenatal clinics	35	39	30	18	20
Total attendance	1,154	—	—	—	—
Average attendance	33	22	18	18	19

SANITATION

INSPECTIONS:

	1956	1955
Dwellings	133	216
Hotels, lodging houses, apartment blocks.....	545	631
Schools, blocks, public buildings	12	6
Stores, bakeshops, business establishments	2,833	2,909
Restaurants	2,764	3,197
Garbage cans, etc.	134	146
Streets, lanes, yards, dumps, etc.	29	21
Miscellaneous (including barber shops, beauty parlors, auto courts and service stations).....	1,009	737
	<hr/>	<hr/>
	7,459	7,863
Re-inspections	395	558

NOTICES:

Written	185	134
Verbal	2,772	3,274
Garbage	42	40

COMPLAINTS:

Received from public	453	451
Justified	403	399
Received from other departments	16	11
Referred to other departments	30	28
The complaints were made up as follows:		
Garbage, streets, lanes, etc.	128	150
Vermin	44	53
Housing, plumbing and drainage.....	149	131
Food and drink	54	53
Miscellaneous	79	64

LICENSES:

License applications investigated	3,009	3,512
---	-------	-------

PLUMBING:

Sewer and water notices issued	13	29
Extension of time granted.....	4	8
Plumbing permits issued	4,011	4,146
Plumbing permits issued for old buildings	96	125
Alterations to existing plumbing (fixtures)	1,392	1,212
Privies eliminated through installation of plumbing ...	96	125
Number of septic tanks installed	12	8

SCAVENGING CLEAN-UP WORK:	1956	1955
Refuse removed during Clean-Up Week (cubic yards)	25,000	19,000

ANIMALS, BARNs, STYEs:

Cow owners	46	57
Hog owners	18	21
Goat owners	3	6
Fur farm owners.....	9	11

FOOD:

Samples submitted to Provincial Laboratory ..	6	7
Foodstuffs condemned (pounds)	2,014	5,074

WATER:

Water samples taken	7	9
Negative	5	7
*Positive	2	2
Wells chlorinated	0	0
Wells condemned	4	1
*Wells condemned or further samples taken after chlorination.		

HOUSING:

Necessary notices were issued in connection with overcrowding, vermin and other unsanitary conditions in 133 dwellings and 545 hotels, lodging houses, apartment blocks, etc.

POISON GAS FUMIGATION:

Nine establishments were freed of vermin by the use of hydrocyanic acid gas.

ENFORCEMENT OF REGULATIONS:

Prosecutions.....	0	0
Number of student days	74	74

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

Beef:	1956	1955	1954
Number of carcasses inspected.....	8,223	7,544	7,868
Carcasses condemned	25	35	29
Portions condemned	759	562	585
Weight (lbs.) of carcasses and portions condemned	21,375	20,580	21,565
Veal:			
Number of carcasses inspected	1,790	1,330	1,193
Carcasses condemned	2	—	2
Portions condemned	44	27	24
Weight (lbs.) of carcasses and portions condemned	390	160	340
Mutton:			
Number of carcasses inspected	194	251	299
Carcasses condemned	—	1	—
Portions condemned	47	20	18
Weight (lbs.) of carcasses and portions condemned	195	160	95
Pork:			
Number of carcasses inspected	10,067	18,477	17,860
Carcasses condemned	1	45	39
Portions condemned	1,212	1,761	2,110
Weight (lbs.) of carcasses and portions condemned	13,500	35,640	43,410

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef:			
Infected	1	—	1
Percent .....	.01	0	.01
Pork:			
Infected	869	896	73
Percent	8.63	9.58	.85

CHIEF CAUSES OF CONDEMNATION, 1955

Beef:

	Carcasses	Portions	Weight (lbs.)
Abscess	—	563	5,725
Actinomycosis	1	174	3,725
Septicaemia	19	—	9,040
Tuberculosis	1	—	800
Miscellaneous (including adhesions, uremia, pneumonia, parasites, jaundice, etc.).....	4	22	2,085
	25	759	21,375

Veal:

Abscess	—	8	45
Adhesions	—	35	175
Immaturity	1	—	35
Actinomycosis	—	1	10
Septicaemia	1	—	125
	2	44	390

Mutton:

Parasites	—	47	195
-----------------	---	----	-----

Pork:

Contamination	—	62	930
Parasites	—	269	1,450
Tuberculosis	—	879	10,920
Rhinitis	—	2	20
Moribund	1	—	180
	1	1,212	13,500

DISEASED ANIMALS

	1956	1955	1954
Beef	766	578	544
Veal	45	27	21
Mutton	47	21	18
Pork	1,033	856	1,073
Total amount of meat condemned (lbs.)	34,460	35,640	43,410

*FOODSTUFFS CONDEMNED BY INSPECTORS

	1956	1955	1954
Meat	—	—	500
Poultry	15	24	69
Damaged by fire, flood, etc.	1,849	4,300	150
Fish	150	—	—
Sundries	—	750	25
*Pounds	2,014	5,074	744

MILK AND WATER REPORT

	1956		1955	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections
Inspections:				
Producer-distributors, raw milk	0	—	1	2
Producer-shippers, milk	553	930	505	916
Producer-shippers, cream	68	65	50	68
Producers—Contacts		244		276
Pasteurization Plants—Contacts		239		211
Pasteurization Plants	5	215	5	216
Vehicles		665		611
Others, Complaints, etc.		11		17
Milk Cans Condemned		—		58
Licenses and Permits:				
Retail milk certificates issued		647		575
Dairy Licenses issued		560		560
Dairy Licenses refused		—		—
Dairy Licenses suspended temporarily		32		31
Permits issued to cow keepers in the city		55		75
Samples:				
Milk samples taken, retail		1,232		1,178
Milk samples taken, shippers		11,675		11,362
Cream samples taken		243		230
Chocolate Milk samples		127		132
Ice cream samples		10		20
TESTS—Milk:				
Standard plate counts		1,232		1,178
Coliform tests		498		237
Phosphatase tests		675		673
Methylene blue tests		11,676		11,362
Butterfat tests		34		89
Restaurants:				
Swab tests of utensils		1,147		1,839
Water:				
Standard plate counts		281		270
Coliform tests		281		270
Chlorine content checks		281		270
Raw river water plate counts		95		32
Swimming Pools:				
Plate counts		198		231
Coliform tests		198		231
Inspections		267		230
Student Days		70		74

